

## STATEMENT OF WORK

**Site Name:** Upper Columbia River (Lake Roosevelt)  
**Ecology Contact:** John Roland, Project Coordinator  
**EPA Region 10 Contact:** Helen Botcher, RPM  
**Performance Period:** March 2011 – June 2015

### I. PURPOSE

The purpose of this agreement is for the Environmental Protection Agency (EPA) to secure technical, administrative, and regulatory support from the Washington State Department of Ecology (Ecology) and other state entities (collectively referred to as the State) as necessary for assistance on the Remedial Investigation and Feasibility Study (RI/FS) work being conducted by Teck Cominco American Inc./Teck Cominco Metals Ltd. (TCM) under formal agreement with EPA.

### II. BACKGROUND

On June 2, 2006, the EPA and TCM entered into a formal contract, ("Settlement Agreement"), directing TCM to complete a Superfund RI/FS of the Upper Columbia River site (UCR). Integral to the Settlement Agreement is a Statement of Work, referred to as "Exhibit A" in the contract. Section XIII Costs, subpart 48 of the Settlement Agreement establishes funding by TCM to the State of Washington and others to provide for oversight participation in the RI/FS process. This grant will perform as the EPA/Ecology construct for distributing this funding to the State of Washington during the RI/FS and remedy selection process for the duration of the "Settlement Agreement" implementation.

### III. SCOPE

This Cooperative Agreement Statement of Work (SOW) provides for support to EPA under the primary tasks identified below. The State will focus on science and engineering technical oversight, substantive issues, long range goals, planning, community relations, government-to-government coordination, grant management, and various requirements under state law and regulation.

### IV. ANNUAL OVERSIGHT AND SPECIAL ASSISTANCE TASKS

The tasks to be performed are expected to cross fiscal years from FY11 to FY15. FY11-12 will be for a period of effectively 16 months, while the remaining years (FY13, FY14, and FY15) will be 12 month blocks. Specific details are presented in associated spreadsheets. The following tasks presented below will be performed on an annual basis by Ecology for the period of performance of this Cooperative Agreement SOW. The levels of effort are presented for convenience on an annual basis:

## Task 1: PROJECT MANAGEMENT

1. Coordinate State technical or policy input; provide timely, substantive comments as feasible. Provide State project coordinator. Coordinate staff technical comments. Provide coordination services with other state agencies, including Department of Health and Washington Department of Fish and Wildlife.
2. Maintain up-to-date information regarding site activities through regular communications with the EPA Remedial Project Managers (RPMs). Work closely and collaboratively with the RPMs for RI/FS, interim and related cleanup actions. Perform as the primary contact with UCR regulatory stakeholders and TCM. As appropriate, participate in technology and policy meetings. Maintain Ecology project files.
3. Track State costs. Update SOW for Cooperative Assistance Agreement, as necessary.
4. Monitor Canadian and B.C. provincial coordination, including Trail Technical Advisory Committee (TAC) and the Columbia River Integrated Environmental Monitoring Program (CRIEMP).

Estimated Level of Effort - 355 hours

Labor Title	Hours
Section Manager	40
Hydrogeologist 4	200
Hydrogeologist 3	160
Support Staff	<u>15</u>
Total	415

## Task 2: COMMUNITY RELATIONS

1. Promote, assistance in coordinating, and assisting public outreach and community relations. This includes offering assistance as feasible with fact sheets, meetings, hearings, etc. Also included is participation with citizen groups such as the Lake Roosevelt Forum, Citizens for a Clean Columbia, local governments and other community interest groups.

Estimated Level of Effort - 120 hours

Labor Title	Hours
Hydrogeologist 4	30
Education/Outreach Spec.2	50
Public Information Officer 4	20
Support Staff	<u>20</u>
Total	120

Task 3: CONDUCT TECHNICAL AND REGULATORY REMEDIAL ACTION  
PARTICIPATION

1. Provide evaluation, comment, advisement, recommendations, define state requirements on planning documents, technical memoranda, site characterization materials, risk analyses, habitat considerations, pilot/treatability studies, remedial alternatives, engineering designs and any other associated correspondences and milestones as defined in tasks 1 through 8 of the 'Settlement Agreement' SOW.
2. Participate in meetings and conference calls to provide Ecology and State technical and policy involvement on cleanup issues. Attend appropriate conferences and conduct travel as needed to conduct oversight—examples being SETAC and visits to labs.
3. Conduct field visits and field oversight. Potentially design and implement supplemental investigative activities.
4. Provide assistance and recommendations for removal or remedial actions as appropriate.
5. Assist and participate in multi-government cleanup coordinating technical advisory committees, as appropriate.
6. Assure compliance with Applicable, Relevant and Appropriate Requirements.
7. Involve and retain necessary technical resources at the state level.
8. Participate in and contribute to RI/FS dispute resolution.

Estimated Level of Effort - 1090 hours

Labor Title	Hours
Section Manager	30
Hydrogeologist 4	220
Hydrogeologist 3	460
Environmental Specialist 3	350
Environmental Engineer 3	70
Support Staff	<u>20</u>
Total	1150

Task 4: UPPER COLUMBIA ASSOCIATED MINE, MILL, and SMELTER  
REMEDIAL ACTIVITIES

1. Aid in the planning, assessments, performance of interim actions and other remedial action activities associated with UCR tributaries from various mining and industrial sites within the watershed.

Estimated Level of Effort – 366 hours

Labor Title	Hours
Hydrogeologist 4	150
Environmental Specialist 3	56
Hydrogeologist 3	50
Education/Outreach Specialist 2	20
Support Staff	<u>20</u>
Total	296

V. TOTAL LEVEL OF EFFORT FOR BUDGET

Salary Classifications:

Labor Title	TOTAL HOURS	FTEs
Section Manager.	70	.034
Environmental Engineer 3	70	.034
Hydrogeologist 3	670	.321
Environmental Specialist 3	406	.194
Education/Outreach Specialist 2	70	.034
Hydrogeologist 4	600	.263
Support Staff	75	.036
Public Information Officer 4	<u>20</u>	<u>.010</u>
<b>Total</b>	<b>1,931</b>	<b>0.925</b>

Upper Columbia River (Lake Roosevelt) Superfund Cooperative Agreement						
Site Budgets for FY10-15, 3/1/11 - 6/30/15						
FYs 11-12 3/1/11 - 6/30/12						
SITE NAME	JOB TITLE	HOURS	FTE	SALARY	TOTAL	
Upper Columbia River	Section Manager	87	0.042	\$92,784	\$ 3,866	
	Environmental Engineer 4	0	0.000	\$ 84,984	\$ -	
	Environmental Specialist 3	508	0.243	\$ 51,864	\$ 12,618	
	Environmental Engineer 3	87	0.042	\$ 80,892	\$ 3,371	
	Hydrogeologist 4	688	0.330	\$ 78,900	\$ 25,998	
	Educ./Outreach Specialist 3	87	0.042	\$ 51,864	\$ 2,161	
	Hydrogeologist 3	838	0.401	\$ 71,496	\$ 28,694	
	Public Information Officer 4	25	0.012	\$ 60,120	\$ 720	
	Support Staff	93	0.045	\$ 39,516	\$ 1,760	
		2413	1.156		\$79,188	
	BUDGET					
	Direct Labor				\$ 79,188	
	Benefits (30.4% D.L.)				\$ 24,073	
	Agency Indirect (32.8%(( D.L. + B.)))				\$ 33,869	
	TOTAL				\$ 137,130	

FY13 7/1/12 - 6/30/13									
SITE NAME	JOB TITLE	HOURS	FTE	SALARY	TOTAL				
<b>Upper Columbia River</b>									
	Section Manager	70	0.034	\$92,784	\$ 3,111				
	Environmental Engineer 4	0	0.000	\$ 84,984	\$ -				
	Environmental Specialist 3	406	0.194	\$ 51,864	\$ 10,085				
	Environmental Engineer 3	70	0.034	\$ 80,892	\$ 2,712				
	Hydrogeologist 4	550	0.263	\$ 78,900	\$ 20,783				
	Educ./Outreach Specialist 3	70	0.034	\$ 51,864	\$ 1,739				
	Hydrogeologist 3	670	0.321	\$ 71,496	\$ 22,942				
	Public Information Officer 4	20	0.010	\$ 60,120	\$ 576				
	Support Staff	75	0.036	\$ 39,516	\$ 1,419				
		1931	0.925		\$63,366				
	<b>BUDGET</b>								
	Direct Labor				\$ 63,366				
	Benefits (30.4% D.L.)				\$ 19,263				
	Agency Indirect (32.8% (D.L. + B.))				\$ 27,102				
	<b>TOTAL</b>				\$ 109,731				

FY14 7/1/13 - 6/30/14									
SITE NAME	JOB TITLE	HOURS	FTE	SALARY	TOTAL				
<i>Upper Columbia River</i>	Section Manager	70	0.034	\$92,784	\$ 3,111				
	Environmental Engineer 4	0	0.000	\$ 84,984	\$ -				
	Environmental Specialist 3	406	0.194	\$ 51,864	\$ 10,085				
	Environmental Engineer 3	70	0.034	\$ 80,892	\$ 2,712				
	Hydrogeologist 4	550	0.263	\$ 78,900	\$ 20,783				
	Educ./Outreach Specialist 3	70	0.034	\$ 51,864	\$ 1,739				
	Hydrogeologist 3	670	0.321	\$ 71,496	\$ 22,942				
	Public Information Officer 4	20	0.010	\$ 60,120	\$ 576				
	Support Staff	75	0.036	\$ 39,516	\$ 1,419				
		1931	0.925		\$63,366				
	<b>BUDGET</b>								
	Direct Labor				\$ 63,366				
	Benefits (30.4% D.L.)				\$ 19,263				
	Agency Indirect (32.8% (D.L. + B.))				\$ 27,102				
	<b>TOTAL</b>				\$ 109,731				





## KEY CONTACTS FORM

### For Washington State Department of Ecology

**Authorized Representative:** *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name: Patricia L. McLain  
Title: Chief Financial Officer  
Complete Address: PO Box 47600  
Olympia, WA 98504-7600  
Phone Number: (360) 407-7005  
Fax Number: (360) 407-7153  
E-Mail Address: pmcl461@ecy.wa.gov / federalgrants@ecy.wa.gov

**Payee:** *Individual authorized to accept payments.*

Name: Lisa Darnell  
Title: Fiscal Manager  
Complete Address: PO Box 47615  
Olympia, WA 98504-7615  
Phone Number: (360) 407-7052  
Fax Number: (360) 407-7153  
E-Mail Address: ldar461@ecy.wa.gov

**Administrative Contact:** *Individual from Sponsored Program Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests, etc.).*

Name: Randy Newman  
Title: Budget Planner  
Program: Toxics Cleanup Program  
Complete Address: PO Box 47600  
Olympia, WA 98504-7600  
Phone Number: (360) 407-7219  
Fax Number: (360) 407-7154  
E-Mail Address: rane461@ecy.wa.gov

**Principal Investigator:** *Individual responsible for the technical completion of the proposed work.*

Name: John Roland  
Title: Hydrogeologist 4, Project Lead  
Program: Toxics Cleanup Program  
Complete Address: 4601 N. Monroe Street  
Spokane, WA 99205  
Phone Number: (509) 329-3581  
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